

## INTERNATIONAL SEARCH REPORT

Internal application No  
PCT/NL 03/00705A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B01J23/78 B01J33/00 B01J35/02 B01J37/03 C11C3/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 101 530 A (ENGELHARD CORP) 23 May 2001 (2001-05-23) cited in the application paragraphs '0001!, '0019!, '0020!	1,3-8, 10-16, 18,19,26 2,9,13, 17
Y	example 3 ---	
X	US 4 532 351 A (BARNETT ALLAN E ET AL) 30 July 1985 (1985-07-30)	1,3-8, 10-16, 18-26
Y	examples 5,6 claim 1 column 6, line 46 - line 59 ---	2,9,13, 17 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

23 January 2004

12/02/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 631 265 A (OUDJANS JOHANNES C ET AL) 23 December 1986 (1986-12-23)	1, 3-8, 10-14, 19-26
Y	table I column 3, line 35 - line 40 column 3, line 48 - line 54 ---	2, 9, 13
X	US 5 616 531 A (FELDHAUSER BRIGITTE ET AL) 1 April 1997 (1997-04-01)	1, 3-8, 10-14, 19-26
Y	column 2, line 47 - line 61 ---	2, 9, 13
X	EP 0 597 662 A (ENGELHARD CORP) 18 May 1994 (1994-05-18)	1, 4, 8, 10-13, 19-24, 26
Y	page 2, line 56 - line 58 page 3, line 20 - line 44 examples ---	2, 9, 13
Y	WO 95 30481 A (MEERN BV ENGELHARD DE ;DIJK GUSTAAF J M VAN (NL); ENGELHARD CORP () 16 November 1995 (1995-11-16) the whole document ---	2, 9, 13, 17
Y	DE 28 50 719 A (WINSEL AUGUST PROF DIPL PHYS D) 10 July 1980 (1980-07-10) the whole document ---	2, 9, 13, 17

## INTERNATIONAL SEARCH REPORT

Int. .... al application No.  
PCT/NL 03/00705

### Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

**1. Claims: 1, 3-20, 26 when referring back to claim 1**

A catalyst,  
a matrix particle comprising the catalyst,  
a slurry comprising the catalyst,  
a method for preparing the catalyst,  
a catalyst precursor,  
a process using the catalyst or matrix particle or slurry  
and the use of the catalyst.

**2. Claims: 2, 3-20, 26 when referring back to claim 2**

A catalyst,  
a matrix particle comprising the catalyst,  
a slurry comprising the catalyst,  
a method for preparing the catalyst,  
a catalyst precursor,  
a process using the catalyst or matrix particle or slurry  
and the use of the catalyst.

**3. Claims: 21-25**

A process for hydrogenating an unsaturated fatty substance

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Patent document cited in search report	Publication date		Patent family member(s)	Publication date
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